



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/217,873	12/21/1998	MARK RAPAICH	450.221US1	3830
32719	7590	11/22/2004	EXAMINER	
GATEWAY, INC. ATTN: SCOTT CHARLES RICHARDSON 610 GATEWAY DR., Y-04 N. SIOUX CITY, SD 57049			NATNAEL, PAULOS M	
		ART UNIT	PAPER NUMBER	
			2614	

DATE MAILED: 11/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action	Application No.	Applicant(s)	
	09/217,873	RAPAICH, MARK	
	Examiner	Art Unit	
	Paulos M. Natnael	2614	

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 30 October 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

- a) The period for reply expires _____ months from the mailing date of the final rejection.
- b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. The proposed amendment(s) will not be entered because:
 - (a) they raise new issues that would require further consideration and/or search (see NOTE below);
 - (b) they raise the issue of new matter (see Note below);
 - (c) they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 - (d) they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____.

3. Applicant's reply has overcome the following rejection(s): _____.
4. Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because: see attachment below.
6. The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.

Claim(s) objected to: _____.

Claim(s) rejected: 1-11.

Claim(s) withdrawn from consideration: _____.

8. The drawing correction filed on _____ is a) approved or b) disapproved by the Examiner.

9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s). 

10. Other: _____.

PAULOS M. NATNAEL
PATENT EXAMINER

Applicant's argument

Welker et al. discloses no more than a conventional gamma correction engine 308 which employs a gamma correction table. [The] Welker et al. patent simply does not teach or make obvious software computationally "employing a corrective algorithm that applies a non-linear gamma function to the digital YUV signal.

Examiner's Response

The applicant fails to address the contention except to point out the obvious. Welker et al discloses a video display configuration detector which comprises a computer as a source and monitor as a receiver which, in turn, includes a gamma correction and YUV to RGB conversion among other functions. Welker et al. teaches a computer or PC system including PCI bus. The Welker et al. system discloses, for example, a software algorithm to execute functions such as determining the physical arrangement of several monitors as shown in fig.10 and illustrated in figs. 7 and 11. Welker et al. does not specifically disclose employing a software algorithm for the gamma correction in 308 (fig.6). However, since the disclosure of Welker is for a computer system, it would have been obvious to those with ordinary skill in the art at the time the invention was made to modify the system of Welker et al. by providing a computer software to execute a gamma correction algorithm, so that the system of Welker et al is made faster and saves processing time. As for applying "a nonlinear gamma correction function", again this is implied by systems such as Welker, because gamma correction, by definition, is a non-linear process.



PAULOS M. NATNAEL
PATENT EXAMINER